

21 other than the brushes 11 in advance after assembling the armature 3, the bracket 6, and the bearing 8, and rotating these by an external means. In this case, the carbon coat is produced by the shakedown brush 21 in advance, and a burr or the like on the surface of the commutator 5 is removed in advance, whereby noise of the rotary electric machine is reduced in early stages, and the performance is stabilized, whereby the aging process can be reduced or eliminated, the productivity can be improved, and the cost of the rotary electric machine can be lowered.

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The first advantage of the rotary electric machine according to the present invention is that the aging process can be reduced or eliminated, the productivity can be improved, and the cost of the rotary electric machine can be lowered.

IN THE CLAIMS:

Please cancel claim 18 without prejudice or disclaimer:

Please enter the following amended claims:

1. (Amended) A rotary electric machine comprising:

a commutator;

brushes sliding on a surface of the commutator; and

an armature,

wherein said surface of the commutator is rubbed by a shakedown brush other than said brushes in advance of assembling the brushes in the rotary electric machine.

3. (Amended) The rotary electric machine according to Claim 1,
wherein a sliding width of said shakedown brush is larger than a primary sliding width of
said brushes.

4. (Amended) The rotary electric machine according to Claim 1,
wherein a sliding width of said shakedown brush is larger than a primary sliding width of
said brushes.

6. (Amended) The rotary electric machine according to Claim 1,
wherein a material of said shakedown brush is different from that of said brushes.
10. (Amended) The rotary electric machine according to Claim 1,
wherein the rotary electric machine is applied to a motor for electromotive power steering
device.

17. (Amended) A method of manufacturing a rotary electric machine including a
commutator, an armature having the commutator, and brushes sliding on a surface of the
commutator comprising the steps of:

rubbing the surface of the commutator using a shakedown brush other than said brushes;
and

assembling the brushes in the rotary electric machine.